

## SECOND ANNOUNCEMENT:

# International Workshop on Wolf-Rayet Stars 1. - 5. June 2015, Potsdam (Germany)

## Scientific rationale

This workshop is the first conference in a long time that is specifically dedicated to Wolf-Rayet stars. Considerable progress has been made meanwhile in modeling and analyzing their spectra, understanding their evolutionary context, and quantifying their feedback. Nevertheless, major questions remain heavily debated. This workshop shall bring together the experts in the field to discuss its recent progress, open issues, and future perspectives. The meeting should also motivate young scientists for joining the research on Wolf-Rayet stars with their broad astrophysical context.

## Program Overview

The scientific program will consist of few review talks, many contributed talks, and discussions. A small number posters may be displayed, too. The following subjects may be covered:

### **Wolf-Rayet phenomena**

Classical WR stars; Galactic inventory (including binary fraction); surveys (Galactic and extragalactic); WR-type central stars of planetary nebulae ([WC], [WN])

### **WR observations**

Multiwavelength observations: X-rays, UV, optical, IR, radio; variability; polarimetry

### **Stellar wind modeling**

Model atmospheres; stellar and wind parameters; clumping; the 'true' mass-loss rates; hydrodynamical models; X-ray formation

### **Structure and evolution of WR stars**

Envelope inflation; evolutionary status of WN, WC, WO - initial masses, direct progenitors, final fate; WR population in galaxies; evolutionary status of [WC] and [WN] type central stars; their connections with other H-deficient stars

### **WR binaries**

Binary analyses; colliding winds; binary evolution, and its impact on massive-star populations

### **Significance of WR stars**

Feedback; circumstellar nebulae; cluster evolution; WR stars as progenitors of SNe and GRBs; very massive stars; starburst and WR galaxies

## Scientific Organizing Committee (SOC)

A. Bonanos  
P.A. Crowther  
J. Eldridge  
W.-R. Hamann (Chair)  
D.J. Hillier  
C. Leitherer  
P. Massey  
G. Meynet  
A.F.J. Moffat  
N. St.-Louis  
D. Vanbeveren

## Venue

The meeting will be held in the *Kongresshotel Potsdam*. This hotel is located in the outskirts of Potsdam, at a lakeside but only a few tram stations from the city center. Potsdam neighbors the German capital Berlin, and is easily reached from the international airports Berlin-Tegel (TXL) and Berlin-Schoenefeld (SFX).

The hotel offers a package, comprising

- six nights (arrival Sunday 31 May, departure Saturday 6 June) for 88 Euro (single room) or 62 Euro (shared double room) per night including breakfast, i.e. totally for 528 Euro (372 Euro in shared room);
- obligatory conference package (139.50 Euro per participant for the full duration of the workshop).

Thus the total package is 667.50 Euro (511.50 Euro when sharing a double room). Accompanying persons might book the accommodation without the participant package. Booking must be made directly to the hotel. Participants will receive detailed information and the special link after their Final Registration.

## Time schedule

Dec - Jan	2014	Early registration
20. Feb	2015	Registration deadline
May	2015	Final Announcement
1. - 5. June	2015	Workshop

## Registration

Please register online now via:

<http://www.astro.physik.uni-potsdam.de/~wr2015>

The number of participants is limited to 100 for technical reasons. Note that only pre-registered participants get access to the Final Registration page. The pre-registration is closed now. However, a few places might become available through cancellations, please contact us directly in case of interest.

## **Registration Fee**

The registration fee amounts to 230 Euro (+50 Euro for late registration after 31st of January). After their Final Registration, participants will receive an email with the payment instructions.

## **Proceedings**

Conference proceedings will be published mainly electronically. Official publisher is the Universitaetsverlag Potsdam. Only a limited number of paper copies will be printed (paperback, simple binding). Editors will be W.-R. Hamann, A. Sander, and H. Todt.

## **Contact**

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